

25 January 2021

**Endeavour Energy Ref: ENL3932 – 2014/02306/001**

Haron Robson  
31 Market Street  
SYDNEY  
NSW 2000

**Attention: Shah Aziz**

**ENL3932 - TECHNICAL REVIEW | FOX HILLS CLUB REDEVELOPMENT | LOT 100 DP 834672, 55 FOX HILLS CRESCENT TOONGABBIE**

Dear Shah,

Thank you for your enquiry regarding the proposed Fox Hills Club Redevelopment at the above address. This enquiry has been registered under our reference numbers – ENL3932. Please quote this number for all future correspondence.

Endeavour Energy acknowledges that the Fox Hills Golf Club at above address is proposed to be redeveloped with a new Senior Living Facility with multiple buildings and road infrastructure constructed along the western perimeter of the club.



The redevelopment will consist of 6 stages and the total required will be 2821A (~1.95MVA) and it is proposed to install 2 x 1000kVA pad subs in Stage 1 and Stage 4 development. At this preliminary stage, staging development timeframe has not yet determined. See the following Concept Masterplan for reference.



Preliminary analysis indicates that at present the existing network could have available capacities to cater for the required load demand 2MVA with N-1 supply security.

When the proposed redevelopment is finalised, it will be good to know the load breakdown of staging development in order to determine if possible that sufficient capacity is available on the new PM SUBS to supply the existing LV load from Pole sub 3173 and remove the Pole Sub on the property boundary.



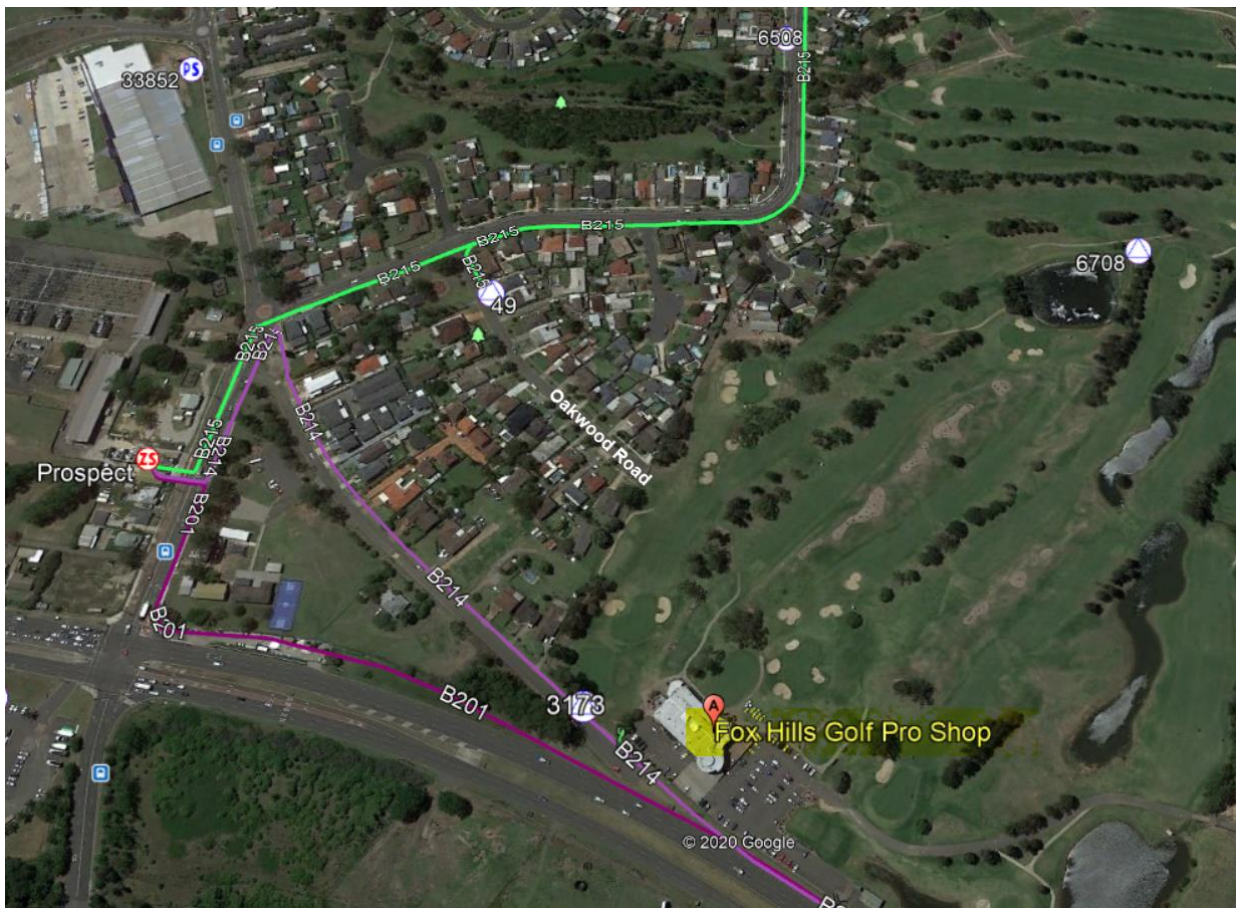
## Supply Arrangements

### Option 1 (Preferable)

- Install 1 x 3 feeders ring-main padmount substation (PM SUB 1) locates on the property of Stage 1 development site and 1 x 2 feeders ring-main padmount substation (PM SUB 2) locates on the property of Stage 4 development site.
- Ring in PM SUB 1 into 11kV feeder B214.
- Install 240mm<sup>2</sup> Al XLPE cable from PM SUB 1 to PM SUB 2.
- Install 1 bay of overhead from Pole 519121 (Pole Sub 49) in Oakwood Road to a new UGOH pole.
- Install 240mm<sup>2</sup> Al XLPE cable from UGOH Pole to PM SUB 2.

### Option 2

This option is to Install 2 x 2 feeders ring-main padmount substations and ring one into 11kV feeder B201 and one into 11kV feeder B214. This will require some switching of load from B201 onto Greystanes feeder 7974.



***If possible, remove Pole 3173 and connect existing low voltage customers on to new SUB 1.***

In order to program this connection, I recommend you to submit an application for Connection of Load and engage the services of a Level 3 ASP to prepare and provide an electrical design to Endeavour Energy in the form of a Proposed Method of Supply. This activity is customer funded contestable work and you will need to pay for it.

**Hope this assists for the meantime and this advice provided is in response to an enquiry only and does not constitute a formal method of supply.** An application must be submitted and subsequent designs have been certified or approvals granted will Endeavour Energy reserve capacity on the network.

Should you have any questions regarding this response to your request for technical review, please contact me.

Yours faithfully,

*David HO*

**David Ho**

Contestable Works Project Manager | **Network Connections**

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